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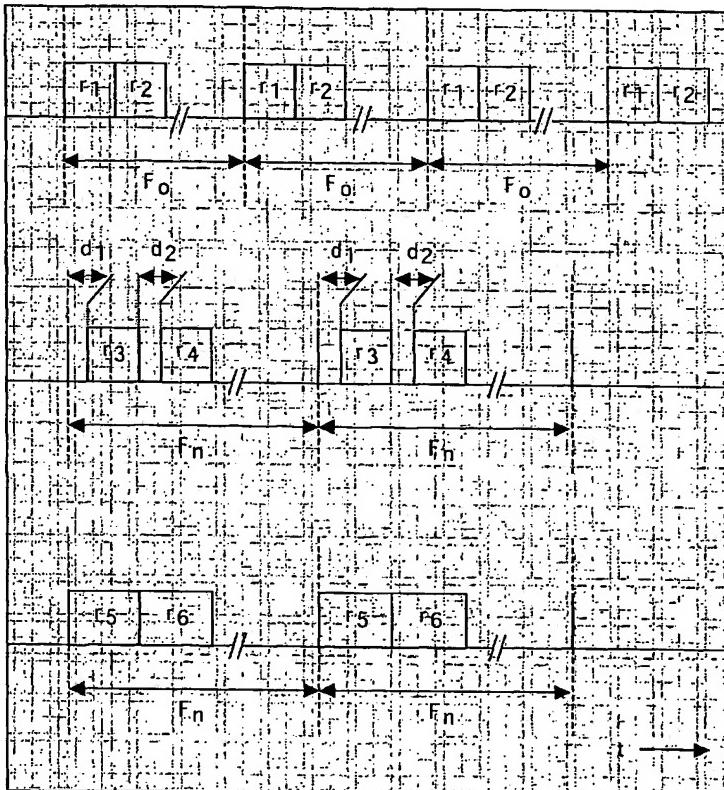
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(54) Title: ELECTROPHORETIC DISPLAY UNIT



(57) Abstract: Electrophoretic display units (1) having fixed frame times are driven relatively unflexibly. By introducing line driving signals having timing parameters, the frame rates can be made variable. With variable frame rates, the optical disturbance from shaking pulses (Sh) is reduced and the number of gray values is increased. The timing parameters comprise delays of starts of line driving signals and/or comprise durations of line driving signals. The lines preferably comprise rows. All possible column driving signals and, per column driving signal or per frame, a row delay parameter defining a row delay time, are stored in a memory coupled to the controller (20). Shaking pulses (Sh) are supplied at minimum row delay time, reset pulses (R) are supplied at maximum row delay time, and driving pulses (Dr) are supplied at flexible row delay time, which corresponds with a product of a predefined time interval and a step value defined by a number of bits.



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